

ABSTRACT

A percolating steeper comprises a carafe, a filter layer situated inside the carafe moving up and down for compressing the infused substance, a control element for controlling the movement of the filter layer, an isolating layer for inhibiting the water convection, at least one free moving non-return unit and one passive non-return unit are disposed on the isolating layer; the control element connects with the isolating layer by means of the passive non-return unit to move in different direction from that of the free moving non-return unit, wherein, the tight unit of the isolating layer and the tight point of the carafe are higher than the lowest feed water surface in the lower aspect of the isolating layer for conducting the fluid to the valve hole; through the elevation difference, when the substance and the fluid separate from each other, a visual effect of clear air isolation is generated.